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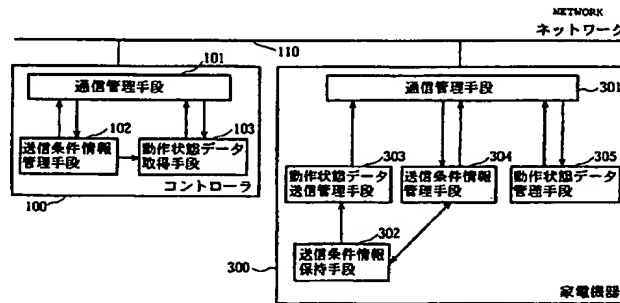
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(54) Title: HOUSEHOLD APPLIANCE CONTROL NETWORK SYSTEM

(54) 発明の名称: 家電機器制御ネットワークシステム



101...COMMUNICATION MANAGING MEANS
102...TRANSMISSION CONDITION INFORMATION MANAGING MEANS
103...OPERATING STATE DATA ACQUIRING MEANS
100...CONTROLLER
301...COMMUNICATION MANAGING MEANS
303...OPERATING STATE DATA TRANSMISSION MANAGING MEANS
304...TRANSMISSION CONDITION INFORMATION MANAGING MEANS
305...OPERATING STATE DATA MANAGING MEANS
302...TRANSMISSION CONDITION INFORMATION HOLDING MEANS
300...HOUSEHOLD APPLIANCE

(57) Abstract: An apparatus control network system for controlling especially household appliances wherein it is unnecessary to change the method for acquiring data on the operating state by means of a controller each time a new household appliance is installed in the household, and the power consumption of the controller is reduced. A home network system in itself is simplified and made efficient. A facility accessible in a way common to the appliances is incorporated into the controller by an object processing using communication middleware. An interconnection device is incorporated in each appliance. The appliance is operated in accordance with predetermined other appliances necessary for the appliance and the predetermined data on the other appliances.

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ABSTRACT

In a control network system of household electric appliances, particularly, an each introduction of a household electric appliance thereto does not cause a change in the means of acquiring operation data by a controller, and the electric power consumption of a controller is made less.

A home network system is simplified and made efficient.

As a means for the above, an accessible device in a common manner to household electric appliances is incorporated into a controller by object processing using communications middlewares, and a device for linked operations is incorporated into household electric appliances. Then, it is noted that each household electric appliance needs a specific kind of another appliance and operation data thereof.